

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-4. (Canceled).

5. (New) A communication system comprising:

a transmission apparatus that transmits packets according to a transmission window size determined in response to new window-size information specifying an increase or decrease in the transmission window size;

a reception apparatus that generates the new window-size information based on a packet arrival time, which is a time subtracting a time at which a head packet of the packets is received from a time at which all the packets of the transmission window size are received, and communicates the generated new window-size information to the transmission apparatus; and

an internet protocol network that connects the transmission apparatus and the reception apparatus.

6. (New) A communication method comprising the steps of:

receiving packets according to a transmission window size determined in response to new window-size information specifying an increase or decrease in the transmission window size;

generating the new window-size information based on a packet arrival time, which is a time subtracting a time at which a head packet of the packets is received from a time at which all the packets of the transmission window size are received; and

communicating the generated new window-size information to a transmission apparatus.

7. (New) The communication method according to claim 6, further comprising:

generating the new window-size information specifying a decrease in the transmission window size if the packet arrival time is equal to or greater than a predetermined threshold value; and

generating the new window-size information specifying an increase in the transmission window size if the packet arrival time is less than the predetermined threshold value.

8. (New) The communication method according to claim 6, further comprising:

generating the new window-size information specifying a decrease in the transmission window size if the packet arrival time is equal to or greater than a first threshold value;

generating the new window-size information specifying a hold in the transmission window size if the packet arrival time is less than the first threshold value and equal to or greater than a second threshold value; and

generating the new window-size information specifying an increase in the transmission window size if the packet arrival time is less than the second threshold value.